KEYLESS SOLUTIONS

KS200

Smart Lock

Installation and set-up guide

Hinged doors, tubular latch



Code, card, key or app.

With a doorbell in the keypad. Keep this guide with the lock.

KEYLESS SOLUTIONS

09 238 2377

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Before you start

Read this page first. Installation takes a confident DIYer about two hours, and a locksmith less. If anything here is unclear, call us before you drill.

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You will need

- Pencil, square and masking tape
- Tape measure
- Drill with a 54 mm hole saw
- 25 mm spade or auger bit for the edge bore, 100 mm reach
- Sharp chisels for the faceplate and strike rebates
- Screwdrivers and an allen key
- 4 x AA alkaline batteries

Important

- Whoever will OWN the lock sets up the TTLock app. The account that adds the lock controls it, so an installer should never add it on their own phone.
- Straight out of the box the lock stays open. Once the batteries are in, the motor runs once and the lock locks itself 5 seconds later.
- Test the code, the key and both levers with the door OPEN before you close it for the first time.
- The door must be flat and level where the units sit. Never pinch the cable between them.
- Peel the protective film off the keypad when you have finished.

Know your lock

The outside unit carries the keypad and the doorbell. The inside unit carries the batteries and the privacy button.



drawn by us

Four ways in

Code	Card or fob	TTLock app	Key
on the keypad	held on the reader	beside the door	in the bottom edge

Doorbell. The KS200 is the only lock in our range with one: press the # key, bottom right, to ring it.

Away from home, the app can open the door and change codes through the Wi-Fi gateway, sold separately. Codes, cards and the key never need the internet.

In the box

Check every part before you start. Do not begin without the fixing kit in front of you.

Part	Qty
Outside unit with lever	1
Inside unit with lever	1
Tubular latch, backset 60 or 70 mm	1
Strike plate	1
Strike box	1
Wood screws 4 x 20 mm, for the latch and strike	4
Cards	2
Keys	2
M5 screws and spindle	see the table
Paper drilling template, card template and this guide	1 each

Screws and spindle for your door

Door thickness	M5 screws (one of each)	Spindle
35 to 39 mm	M5 x 40 and M5 x 20	8 x 8 x 60
40 to 50 mm	M5 x 50 and M5 x 30	8 x 8 x 60
51 to 60 mm	M5 x 60 and M5 x 40	8 x 8 x 80

Use the row for your door thickness. The two M5 screws join the units through the door.

Before you start. If a part is missing, or the screws or spindle in your box do not suit your door, call us on 09 238 2377.

Keep it together

- Keep the M5 screws and the spindle together until you install the lock (page 9).
- You also need 4 AA alkaline batteries. They go in last (page 11).

Check your door

Thickness. The KS200 suits doors 35 to 60 mm thick.

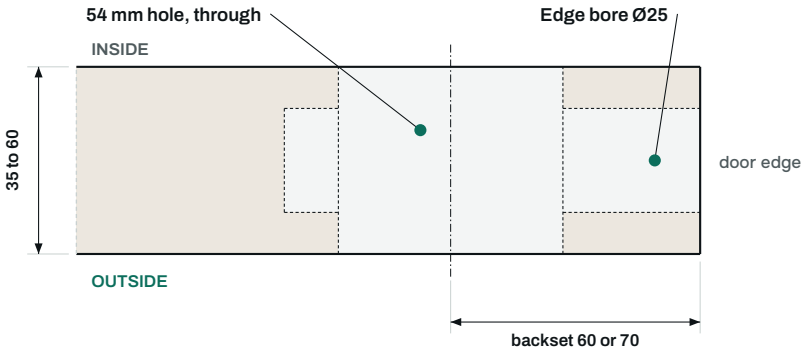
Stile. The outside unit is 193 mm tall and 75 mm wide. The flat face of the stile must take it, with room for the fixings.

Backset. The distance from the door edge to the centre of the lever. The KS200 comes on an adjustable tubular latch for a 60 or 70 mm backset. One 54 mm hole through the door takes the latch, the spindle and the cable.

Card. The card template in the box carries both backsets: fold it on the one you set the latch to.

Mortice option. The KS200 can also be ordered on our standard 85 series mortice lock instead of the latch, backset 45, 50, 60 or 70 mm. This guide and its card cover the tubular latch only: call us on 09 238 2377 before you install a mortice.

Seen from above. Sizes in mm. Every drilling size is on page 8.

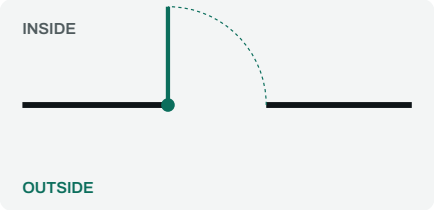


Is the KS200 right for this door?

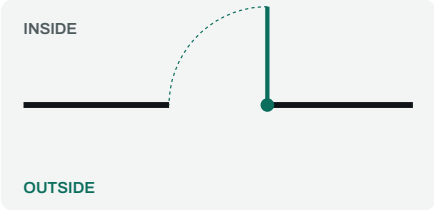
- A hinged door, 35 to 60 mm thick. The KS200 is not made for sliding doors.
- A flat face for each unit, both sides. The outside unit is 75 mm wide.
- Weather rated IP65, so it suits an outside door.
- An aluminium or steel door or frame? Call us before you start.

Set the handing

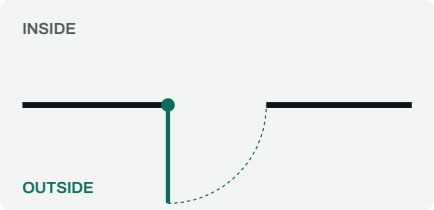
Stand OUTSIDE, where you unlock and walk in. Which side are the hinges, and does the door open away from you (push) or towards you (pull)?



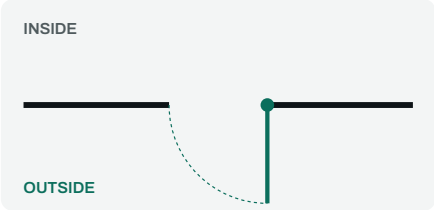
Left push



Right push



Left pull



Right pull

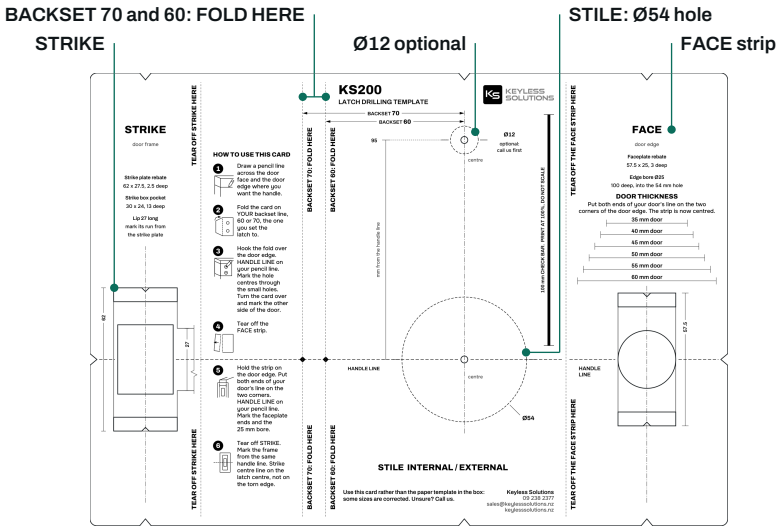
Hold each unit up to the door where it will sit. Its lever must point away from the door edge, towards the hinges. With the tubular latch, the lock's standard setting is right open. If the levers point the wrong way, change both from right to left on the bench before installing:

1. **Outside unit**
   Turn the lever 45 degrees and take its screw out with the allen key. Turn the lever 270 degrees anticlockwise and put the screw back in the left position.
2. **Inside unit**
   Take out the screw in the right position. Turn the lever 180 degrees anticlockwise and put the screw back in the left position.
3. **Check the marks**
   On the back of the outside unit, around the spindle hole. After changing the levers the arrow must point to L: if not, the outside lever only lifts. The tubular latch in the box needs Single. Double Latch is only for a mortice case.

Not sure? Call us on 09 238 2377 before you install the lock.

Mark the door

Use the card template that came with this guide. It is true size: never scale it. Its 100 mm check bar must measure exactly 100 mm.

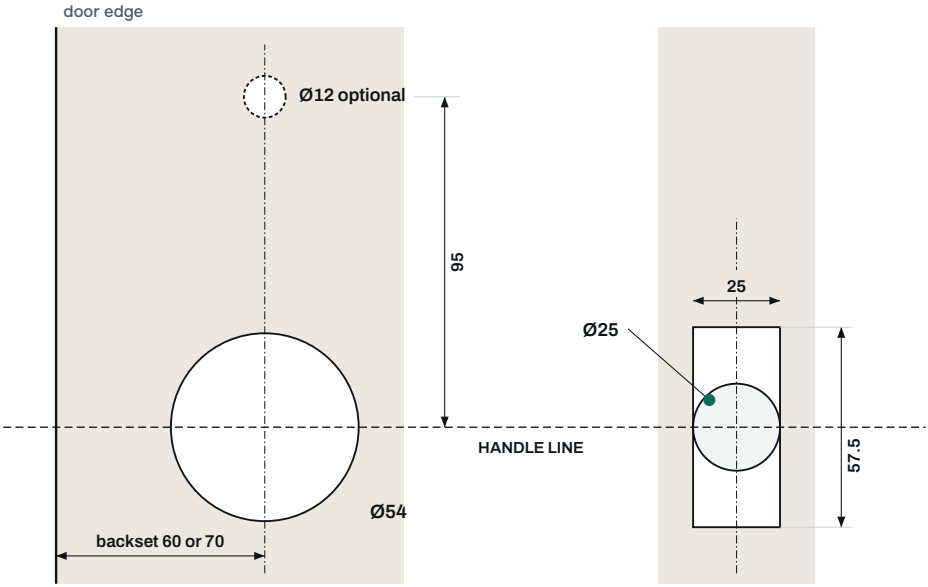


1. Draw a pencil line across the door face and the door edge where you want the handle.
2. Fold the card on YOUR backset line, 60 or 70, the one you set the latch to.
3. Hook the fold over the door edge. HANDLE LINE on your pencil line. Mark the hole centres through the small holes. Turn the card over and mark the other side of the door.
4. Tear off the FACE strip.
5. Hold the strip on the door edge. Put both ends of your door's line on the two corners. HANDLE LINE on your pencil line. Mark the faceplate ends and the 25 mm bore.
6. Tear off STRIKE. Mark the frame from the same handle line. Strike centre line on the latch centre, not on the torn edge.

Use this card rather than the paper template in the box: some sizes are corrected. Unsure? Call us.

Drill the door

All sizes in mm, from the handle line. The card marks all of this for you.



DOOR FACE, both sides DOOR EDGE

54 mm hole. Centre on the backset line and the handle line. Drill square to the door, halfway from each face, so neither side breaks out.

Edge bore. Ø25, 100 mm deep, square to the edge and centred on the door thickness. It runs into the 54 mm hole.

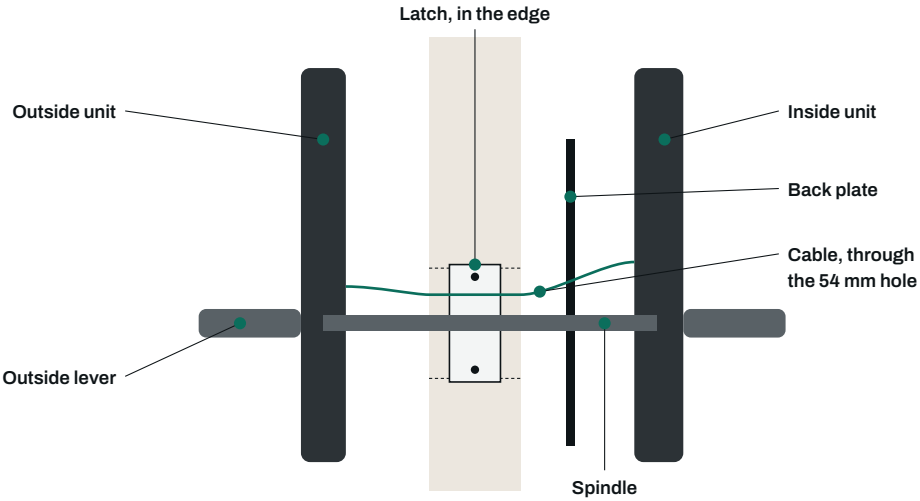
Faceplate rebate. 57.5 x 25 mm, 3 mm deep, so the faceplate sits flush. Try the latch in place before any screw goes in.

12 mm hole. The template marks it optional, 95 mm above the 54 mm hole on the same line. Mark its centre, but call us on 09 238 2377 before you drill it.

Use this card rather than the paper template in the box: some sizes are corrected. Unsure? Call us.

Install the lock

Looking at the door edge. Parts are drawn pulled apart so you can see the order.



1 **Install the latch**
Bevel facing the way the door closes. Push it into the edge bore and screw the faceplate on flush with the wood screws. It must slide freely by hand.

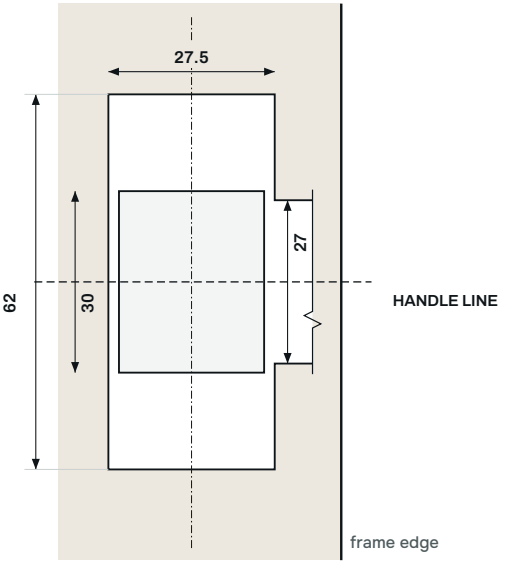
2 **Outside unit**
Tighten its two posts. Press the spindle hard into the lever. Feed the cable through the 54 mm hole and hold the unit flat on the door, the spindle through the latch.

3 **Back plate and cable**
Fix the back plate on the inside face. Bring the cable through it and plug it into the inside unit. The cable must never be pinched.

4 **Inside unit**
Join it to the outside unit with the two M5 screws for your door thickness (page 4). Snug, not crushing. Both levers must spring back freely.

Install the strike

On the door frame, from the STRIKE part of the card.



Strike plate rebate
62 x 27.5 mm, 2.5 mm deep

Lip
27 mm long. Mark how far it runs from the strike plate itself.

Strike box pocket
30 x 24 mm, 13 mm deep

Centre line
in line with the centre of the latch when the door is shut

1. **Mark the frame**
   Door open. STRIKE handle line at the same height on the frame, its centre line on the latch centre. Never line the card's torn edge up with the frame edge.

2. **Cut and install**
   Hold the strike plate on your marks and draw round its lip. Cut the pocket and the rebate. Install the strike box, then the strike plate with the wood screws.

3. **Close it gently**
   The door must latch without being pushed or lifted. If it will not, move the strike, never the lock.

Use this card rather than the paper template in the box: some sizes are corrected. Unsure? Call us.

Power up and test

Keep the door OPEN for every test on this page.

1. **Batteries**
   Pull the battery cover off at the slot on the bottom of the inside unit. Put in 4 good quality AA alkaline batteries and clip the cover back on.

2. **First power up**
   The motor runs once and the lock locks after 5 seconds.

3. **The code**
   Key in the factory code from your lock's manual and press the lever. The door should open.

4. **The key**
   Turn the key in the bottom edge of the outside unit, then press the lever.

5. **Levers, privacy button, doorbell**
   Try both levers. Pull the privacy button down and up again. Press # to ring the bell.

6. **Now close the door**
   Only when all of the above work. Then set up the app (next page). Adding the lock switches the factory code off.

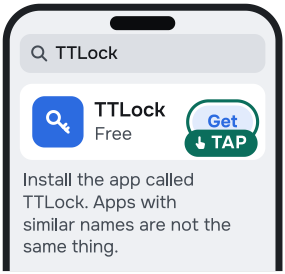
Batteries and care

- Battery life is about 10 to 12 months. Change all four together, once a year, with the door open. Never mix old and new.
- If they go flat, hold a USB power bank on the USB emergency power port, beside the key hole on the bottom edge of the outside unit. It powers the lock so your code or card works. It does not open the lock and does not charge the batteries. Then change all four.
- Keep a key somewhere you can reach without going through this door.
- Clean with clean water or a mild cleaner on a soft cloth. Never spray anything onto the lock, and keep water out of the electronics.

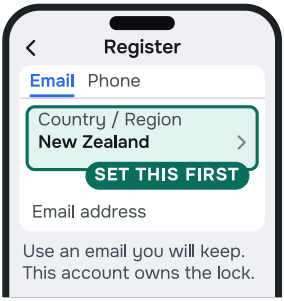
Set up the TTLock app

TTLock is free. Do this standing beside the lock with Bluetooth on, on the OWNER's phone.

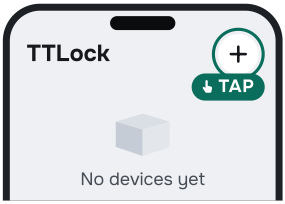
1. **Install TTLock**
   From the App Store or Google Play. Apps with similar names are not the same.
2. **Make an account**
   Your own email or mobile number, country New Zealand. This account owns the lock.
3. **Add the lock**
   Press +, choose Door Lock, then touch the keypad to wake the lock. Tap it when it shows a +.



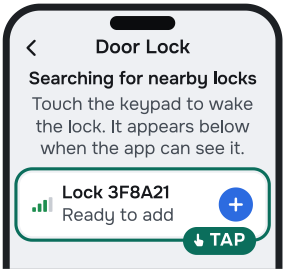
A Find TTLock



B Make an account



C Press +



D Wake it, tap +

4. **Name it**
   Front door, not Lock_1.
5. **Check the factory code is dead**
   Key in the factory code. It must be refused now.

App screens are illustrations redrawn by Keyless Solutions in September 2026. Yours may look slightly different.

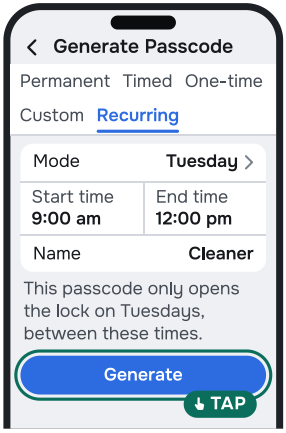
Give people access

Everything here is done in the TTLock app by the owner.

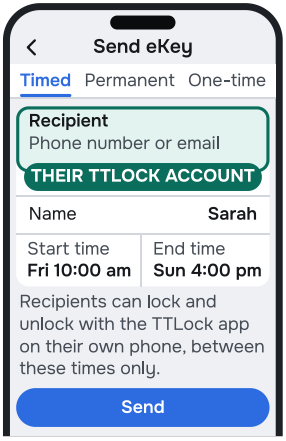
Codes. Permanent, timed, one-time (6 hours) or recurring, for example a cleaner every Tuesday. You can also set your own. A new code must be used once within 24 hours of its start time.

eKeys. For someone with the app on their own phone and their own TTLock account. Permanent or for set times. The owner can also make someone an administrator.

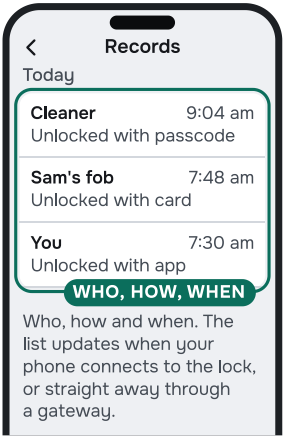
Records. See who came and went, how and when. Freeze or delete anyone at any time.



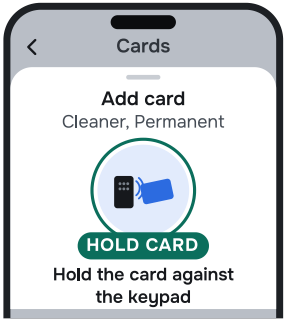
Make a code



Send an eKey



See who came in



Enrol a card

Cards and fobs. Two cards come in the box. Key tags and proximity dots work the same way. Enrol each one beside the lock and label it: one that is not enrolled opens nothing.

Away from home

- Remote unlocking, remote code changes and records from anywhere need the Wi-Fi gateway, sold separately, plugged in indoors within range of the lock. Codes, cards and the key never need the internet.

App screens are illustrations redrawn by Keyless Solutions in September 2026. Yours may look slightly different.

Everyday use

Code. Touch the keypad to wake it, then key in your code.

Card or fob. Hold it on the card symbol below the 5.

Phone. Open TTLock beside the door and press the round button.

Key. Into the bottom edge of the outside unit. Turn the key, then press the lever.

Doorbell. Press the # key, bottom right, the one with the bell.

From inside. The inside lever always opens the door, even with the privacy button on.

Privacy button. On the inside unit. Pull it down and the lock says "Secure lock is on": user codes and cards stop working from outside. Pull it up to turn it off.

Passage mode. To hold the door unlocked, open it with a valid code or card, then press 123# while it is unlocked. It stays unlocked until a valid code is keyed in again.

Keypad shortcuts

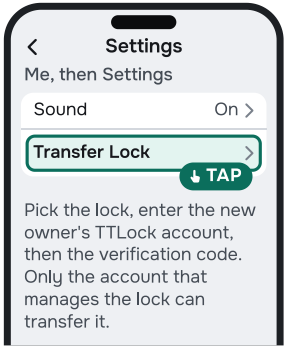
The owner can do these at the keypad as well. End each step of these shortcuts with #. The admin code is shown in the app, under Settings.

Press	To
*12#	Change the admin code: admin code, new code, new code again
*80#	Add a user: admin code, then a new code twice, or hold a card on the reader
*71#	Delete all user codes: admin code
*69#	Delete all user cards: admin code
123#	Passage mode, while the door is unlocked
#	Doorbell

Moving out or selling

It is the ACCOUNT that owns the lock, not the keys. Before settlement, transfer the lock in the app (Settings, Transfer Lock) to the new owner's TTLock account.

If you cannot transfer it: delete the lock in the app beside it, then do a factory reset so the new owner can add it.



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Reset and troubleshooting

Factory reset

- Delete the lock in the owner's app first, standing beside it.
- Pull the battery cover off at the slot on the bottom. The reset button is below the batteries.
- Hold it for 3 seconds, until the lock asks for the initialisation code. Key in 000#. The lock says "Successful".
- Every code, card and user is wiped and the factory code works again. Add the lock to the owner's account straight away.

If something is not right

The lock never locks	It has no power, so it is in factory state. Put in the batteries (page 11).
Codes and cards do nothing	The privacy button is down. Pull it up.
The door stays unlocked	Passage mode is on. Key in a valid code.
Outside lever only lifts	After changing the levers, the arrow must point to L (page 6).
The app will not add it	It is on someone else's account. They delete it beside the lock, or reset it.
The factory code still opens	Set-up did not finish. Add the lock again.
Door must be pushed to latch	Adjust the strike. Never force the lock.
Worked, then stopped	A pinched cable. Put the units back with the cable clear.
Flat batteries, no key	USB power bank on the emergency power port (page 11).

Still stuck? Call us on 09 238 2377 or 027 8 ACCESS (222 377).

Specifications

Outside unit	193 x 75 mm, 22 mm deep
With lever	152.5 mm wide, lever 72.1 mm from the door
Keypad	3 x 4 touch keys, card reader, # is the doorbell
Opens by	Code, card or fob, TTLock app, key
Remote	With the Wi-Fi gateway, sold separately
Finishes	Black, Brushed Nickel
Material	Aluminium alloy
Weather rating	IP65
Bluetooth	5.0
Power	4 x AA alkaline (6 V)
Battery life	About 10 to 12 months
Door thickness	35 to 60 mm
Latch	Tubular, backset 60 or 70 mm
Mortice option	85 series, backset 45, 50, 60 or 70 mm
Handing	Left or right, push or pull
Users	Up to 150 codes and 200 cards
Working range	-20 to 50 ˚C, 10 to 95% humidity
Factory code	In the manual, off once set up

Warranty

Two years on the lock. Nothing in our warranty limits your rights under the Consumer Guarantees Act 1993.

KEYLESS SOLUTIONS

PHONE

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